

## **Igneous Rocks Performance Task**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

### **Part 1: Describing Igneous Rocks**

Obtain a sample of granite and basalt. Sketch and describe each one. Descriptions should include origin, texture, color, and any minerals you can identify.



Obtain a sample of tuff and obsidian. Sketch and describe each one. Descriptions should include origin, texture, color, and any minerals you can identify.



## Part 2: Analyzing Igneous Rocks

How Some Igneous Rocks Are Used	
Type of Igneous Rock	Way It Is Used
Basalt	Gravel for construction
a.	Cleaning and polishing
b.	Soil mixes

Origin of Igneous Rock	Resulting Texture
Slow cooling of magma far beneath Earth's surface	1. _____
Extremely rapid cooling of lava in which no crystals form	2. _____
Rapid cooling of lava in which tiny crystals form	3. _____

4. What is the most common extrusive rock? Where is it found?

5. What is the most common intrusive rock? Where is it found?

6. Explain how the silica content of molten material affects the color of igneous rocks.